

LAND RECLAMATION COMMISSION

STATE OF MISSOURI

P.O. BOX 176

JEFFERSON CITY, MISSOURI 65102

573-751-4041

Permit To Engage in Surface Mining

LAND RECLAMATION COMMISSION

ISSUES TO
LEO O'LAUGHLIN, INC.

Pursuant to "The Land Reclamation Act," RSMo, 2001, and on conformity with the statements

In the application, a permit is hereby granted to engage in surface mining of
limestone in the state of Missouri. The extent of the

Proposed mining operation(s) will be on 41 acres, more or less.

The locations of the operation(s) under this permit is/are as follows: Renewal

| County | Section | Township | Range | Acres Renewed | Acres New | Total Acres | Site/Stream Name | Site Number |
|--------|---------|----------|-------|------------------|--------------|----------------|-----------------------|----------------|
| Shelby | 05 | 57N | 09W | 41 | 0 | 41 | Leo O'Laughlin Quarry | 0106 |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

This permit may be suspended or revoked upon violation of any or all of the conditions set forth in "The Land Reclamation Act," RSMo. 2001, or in such rules and regulations as are promulgated pursuant thereto by the Land Reclamation Commission.

IN WITNESS WHEREOF I have hereunto set my hand this 15th day of October 2004


DIRECTOR OF STAFF
Land Reclamation Commission

Permit No. 0072

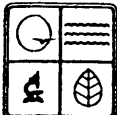
Effective Date 10/15/2004

Expiration Date 10/02/2005

MO 780-1122 (6-95)

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SEP 20 2004



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION

PERMIT RENEWAL FOR INDUSTRIAL MINERAL MINES

MISSOURI LAND RECLAMATION COMMISSION
P.O. BOX 176
JEFFERSON CITY, MO 65102-0176

| | | | |
|--|-------------------------|---|--------------------------|
| NAME OF CORPORATION, COMPANY, PARTNERSHIP OR INDIVIDUAL Leo O'Laughlin, Inc. | | DATE | |
| ADDRESS 499 N. 4th St. | CITY Shelbina | STATE MO | ZIP CODE 63468 |
| CONTACT PERSON Russell O'Laughlin or Bob Allison | | TELEPHONE NUMBER (573) 588-4151 | |

FEES: COMPLETE SECTION I OR SECTION II

SECTION I. Fees: Open pit operators and those mining more than 5,000 tons of sand and/or gravel:

1. To compute the site fee complete the information below:

| SITE NAME OR NUMBER (add a separate sheet for additional sites) | Mark each month that the site will be operated during the permit year | For sites operated less than six months per permit year pay \$150 For sites operated six months or more per permit year pay \$300 |
|--|---|--|
| 1. Leo O'Laughlin Inc. Quarry | Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec | \$ 300.00 |
| 2. | Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec | \$ |
| 3. | Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec | \$ |
| 4. | Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec | \$ |
| 5. | Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec | \$ |
| 6. | Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec | \$ |
| 7. | Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec | \$ |
| 8. | Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec | \$ |
| 9. | Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec | \$ |
| 10. | Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec | \$ |
| TOTAL SITE FEE | | \$ 300.00 |

2. Acreage Fee \$5 X 41 number of acres bonded\$ 205.00

3. Annual Permit Fee\$ 500

4. Total Fee (Add totals from 1, 2 and 3)\$ 1,005.00

NOTE: If Total Fee exceeds \$2,500.00 then pay only\$ 2,500

SECTION II. FEES: Sand or gravel operators mining less than 5,000 tons per year:

1. Annual Permit Fee\$ 300

| | | | |
|---|---|--|--|
| SIGNATURE OF APPLICANT <i>Russell O'Laughlin</i> | | TITLE <i>pres.</i> | DATE <i>9/4/04</i> |
| <p>Appeared before me this <u>4th</u> day of <u>September</u>, 20 <u>04</u>, <u>Russell O'Laughlin</u> to me personally known, who executed the above as their free acts and deeds.</p> | | | |
| NOTARY PUBLIC EMBOSSEER SEAL | STATE OF Missouri | COUNTY (OR CITY OF ST. LOUIS) Shelby | |
| | SUBSCRIBED AND SWORN BEFORE ME, THIS 4th DAY OF September YEAR 2004 | | <p>USE RUBBER STAMP IN CLEAR AREA BELOW.</p> |
| | NOTARY PUBLIC SIGNATURE <i>Denise E. Mefford</i> | MY COMMISSION EXPIRES 1-7-2007 | |
| | NOTARY PUBLIC NAME (TYPED OR PRINTED) Denise E. Mefford | | |
| FOR DEPARTMENT USE ONLY: APPROVED BY <i>[Signature]</i> | DATE APPROVED 9-29 | PERMIT NUMBER 0072 | EXPIRATION DATE 10-2-05 |



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
SITE INFORMATION FORM

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To be completed for each separate area of disturbance associated with mining operations.

AUG 21 2000

| | | |
|--|--|--|
| SITE NAME OR NUMBER Leo O'Laughlin Quarry DW | | PERMIT NUMBER 72 |
| COMPANY NAME Leo O'Laughlin, Inc. | | |
| COUNTY Shelby | 1/4 SECTION SW$\frac{1}{4}$ | SECTION 5 |
| TOWNSHIP 57N | RANGE 9W | ACRES 41 |
| RIVER OR STREAM NAME (FOR IN-STREAM ACRES) N/A | | |
| MINERAL COMMODITY Limestone | | ESTIMATED TONS/YEAR (FOR GRAVEL SITES) |

| | | |
|--|---------------------|--------------------------|
| NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) Leo O'Laughlin, inc. | | |
| ADDRESS 499 N. 4th Street | | |
| CITY Shelbina | STATE Mo. | ZIP CODE 63468 |
| SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input checked="" type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): | | DATE OF AGREEMENT |
| <input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT | | |

| | | |
|---|-------|-------------------|
| MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) N/A | | |
| ADDRESS | | |
| CITY | STATE | ZIP CODE |
| SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): | | DATE OF AGREEMENT |
| <input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT | | |
| NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan. | | |



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TYPE OF PLAN (CHECK ONE):

☐ SHORT TERM, FOR ONE PERMIT YEAR

☒ LONG TERM, FOR PERIOD THROUGH DATE: 10/2/2002

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DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND TOPOGRAPHY.

This plan covers approximately 41 acres which was gently rolling pasture and is bordered on the east side by a county gravel road.

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. TOPSOIL

AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING

12

INCHES

IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?

☐ YES OR ☒ NO

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL

All topsoil is being moved to the east or west borders of property lines and stockpiled at present time. The rest of the overburden is pushed over to property lines to access rock. Topsoil is placed over the clay and leveled out along berms. This area will be reseeded with a mixture of grass seeds--rye, timothy, alfalfa. A spreader truck will spread agriculture lime on top at a rate of three tons per acre where possible. Fertilizer will be applied as needed also.

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION

N/A

B. SPOIL

DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL

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All overburden is pushed into the mined out pit and will be sloped, fertilized and seeded after quarry operations have ceased.

C. ACID MATERIALS

DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)

N/A

PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)

DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS

Shown on site map.

YES NO

☐☒

Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?

☐☒

Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees must start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)

☒☐

Will any excavation start at or within fifty feet (50') of any property line?
(NOTE: If the answer is "yes", a safety barrier may be needed.)

A. REVEGETATION (Attach additional sheets, if needed)

NEVEGETATION MIX #1

PURPOSE OR LAND USE

Wildlife

B. SLEEPING OR PLANNING TIME

3/15 to 5/15 or
8/15 to 10/15

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Upon completion of all quarry operations, the slopes above the highwall and all of the spoil in the pit area which will be above the water line will be graded, fertilized, seeded and mulched. Seeding shall be done by broadcasting and harrowing. Reseeding shall be done as needed to support wildlife and control erosion.

Line and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

| SEEDED SPECIES | POUNDS/ACRE | TREE OR SHRUB SPECIES | STEMS/ACRE |
|----------------|-------------|-----------------------|------------|
| Ladina Clover | 1 - 3 | | |
| Timothy | 1 - 3 | | |
| Alfalfa | 6 - 10 | | |
| Orchard Grass | 8 - 10 | | |

VEGETATION MIX #2

PURPOSE ON LAND USE

B. SEEDING OR PLANTING TIME

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Seeding will be done by local applicator who specializes in grass seedings. Then the area will be harrowed where possible or tilled and straw applied where possible.

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

| SEEDED SPECIES | POUNDS/ACRE | TREE OR SHRUB SPECIES | STEMS/ACRE |
|----------------|-------------|-----------------------|------------|
| | | | : |

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RECLAMATION COMMISSION

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

B. GRADING

DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES

All slopes and the spoil area shall be graded so that they can be kept mowed, and the pit area shall be flooded and stocked with fish.

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MISSOURI LAND
RECLAMATION COMMISSION**C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES****GRADING**

All grading shall be completed within twelve months after the quarry ceases operations.

REPLACEMENT OF TOPSOIL

Topsoil will be replaced within twelve months after the quarry ceases operations using glacial till.

REVEGETATION

Revegetation will be completed within twelve months after the quarry ceases operations.

AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)

12" glacial till

D. USE OF LAND WHEN RECLAIMED

Estimate acreage of each land use below, after reclamation

ESTIMATED ACRES:

Wildlife (forest or other habitat with livestock excluded)

18

Agricultural (pasture, cropland, and horticultural)

Development (residential, industrial, and recreational)

Water impoundments (for wildlife, agricultural, or development)

23

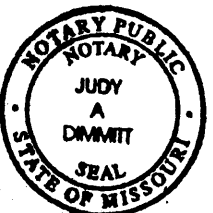
By my signature, I attest to the following:

1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

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RECLAMATION COMMISSION

| | | | |
|--|---|--|--|
| SIGNATURE OF APPLICANT <i>Russell O'Loughlin</i> | | TITLE President | DATE 8/18/00 |
|  NOTARY PUBLIC EMBOSSEER SEAL JUDY A. DIMMITT STATE OF MISSOURI NOTARY PUBLIC - STATE OF MISSOURI SHELBY COUNTY | STATE <i>Missouri</i> | | COUNTY (OR CITY OF ST. LOUIS) <i>Shelby</i> |
| | SUBSCRIBED AND SWORN BEFORE ME THIS <i>18th</i> DAY OF <i>August</i> <i>2000</i> | | USE RUBBER STAMP IN CLEAR AREA BELOW |
| | NOTARY PUBLIC SIGNATURE <i>Judy A. Dimmitt</i> | MY COMMISSION EXPIRES <i>11-20-2001</i> | |
| | NOTARY PUBLIC NAME (TYPED OR PRINTED) <i>Judy A. Dimmitt</i> | | |
| APPROVED BY (NOT FOR REPRESENTATIVE) <i>Russell O'Loughlin</i> | | DATE APPROVED <i>11-9-00</i> | PERMIT NUMBER <i>072</i> |

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549 MAY 14 2000
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Long Range Mine Plant
Property Boundaries of HEL
This 74 Acre Site

New Area to be added
347.7 d bonded permit.

5

Date prepared Aug 12, 1998
Surface & Subsurface owner
by Leo O'Laughlin, Inc.

— Lake Area
— Seeded Area

Scale 1" = 660'

#371

Permitted
& Bonded Area

Public
Roads

#350

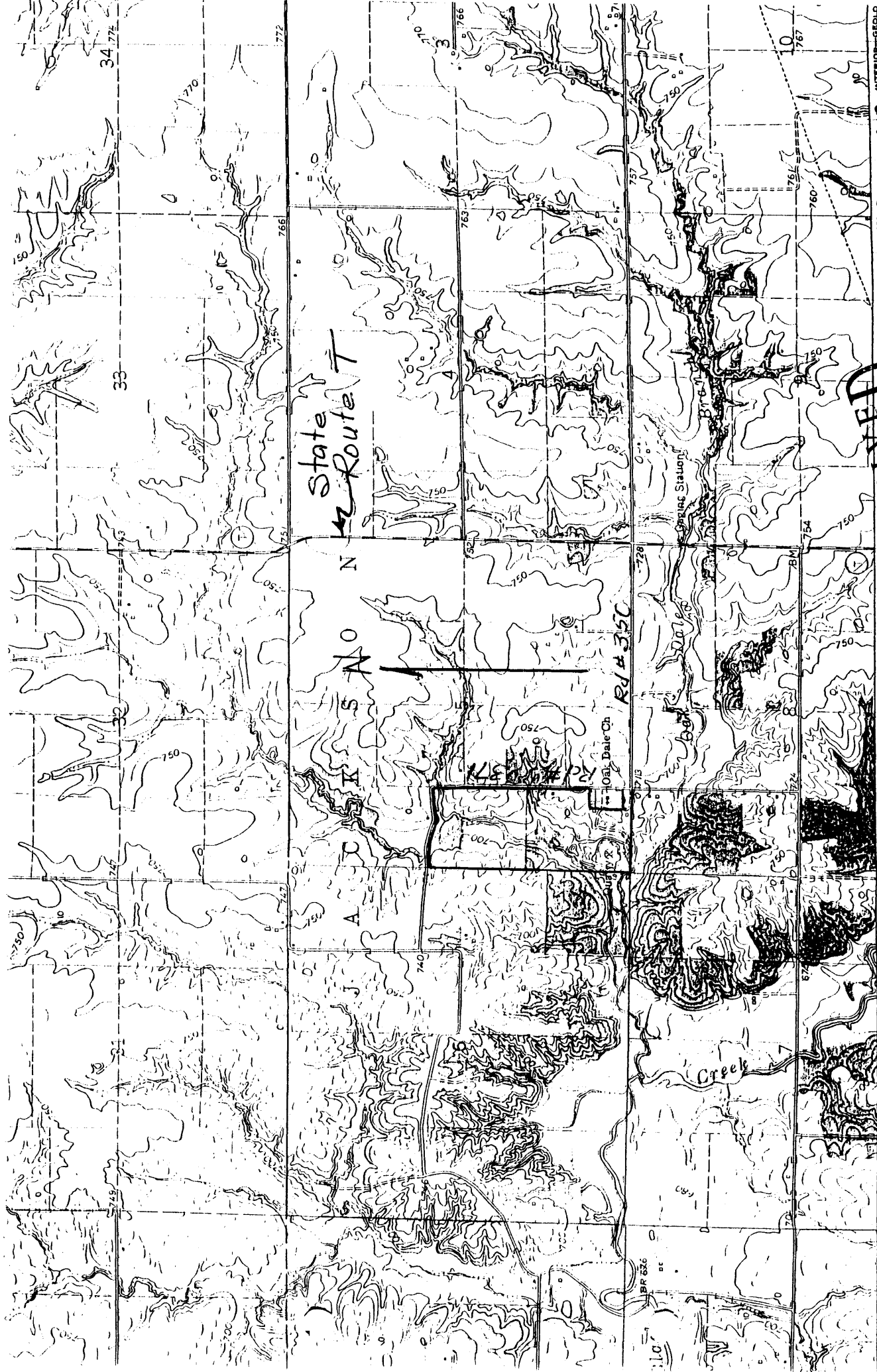
28.9

#278
T1595

OT Monroe Co

#1901
T6892

8



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RECLAMATION COMMISSION

MISSOURI

RC
Medium-duty
Unin

SCALE 1:24,000

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 0 1 0.5 1 KILOMETER

CONTOUR INTERVAL 10 FEET
DATUM IS MEAN SEA LEVEL

6°
37 MILS